

PHOTOSYNTHESIS

Drag and drop to label the elements involved in the photosynthesis

carbon dioxide(1)

oxygen(1)

chloroplast

sunlight

glucose(1)

leaf

stomata

carbon dioxide(2)

chlorophyll

water

starch

oxygen(2)

glucose(2)

Plants need



Photosynthesis takes place in the **leaves** of a plant

Leaves have tiny pores called **stomata** through which **carbon dioxide** enters the plant

Plant cells contains tiny structures called **chloroplasts** that contain **chlorophyll**

6CO_2 (Carbon dioxide) + $6\text{H}_2\text{O}$ (Water) $\xrightarrow[\text{Chlorophyll}]{\text{Sunlight}}$ $\text{C}_6\text{H}_{12}\text{O}_6$ (Glucose) + 6O_2 (Oxygen)

Oxygen then leaves the plant through the stomata

Glucose gives nourishment to the plant

The extra glucose produced is stored by the plant in the form of **starch** for later use